

Source: /Interactive Core Memory Badge v0.1/Interactive Core Memory Badge v0.1.sch
Date: Saturday, August 10, 2019 at 07:24:35 PM
Tool: Eeschema (5.1.2-1)-1
Generator: kicad.app/Contents/SharedSupport/plugins/bom_csv_grouped_by_value.py
Component Count: 88

		Component Cost Per unit - >		\$ 73.60	\$ 59.50		\$ 44.25		
		Quantity of Assemblies - >		10	100		1000		
				Extended	Extended		Extended		
Digi-Key Part Number	Manufacturer/Manufacturer Description	Quantity 1	Price		Quantity 2	Price	Quantity 3	Price	
Jellybean components from Digi-key									
MMBT4403LT1GOSCT-ND	ON SEMIC MMBT4403 TRANS PNP 40V 0.6A SOT23	130	0.07350	\$ 9.56	1300	0.03084	1000	0.03084	
MMBT4401LT1GOSCT-ND	ON SEMIC MMBT4401 TRANS NPN 40V 0.6A SOT23	130	0.07270	\$ 9.45	1300	0.03049	1000	0.03049	
497-1593-1-ND	STMICROE LM393DT IC COMPARATOR LP DUAL 8-SOIC	20	0.28100	\$ 5.62	200	0.17530	2000	0.09228	
401-2002-1-ND	C&K (VA) JS202011 SWITCH SLIDE DPDT 300MA 6V	20	0.46300	\$ 9.26	200	0.38580	0	0.00000	
507-1815-1-ND	BEL FUSE 0ZCK0100 PTC RESET FUSE 6V 1A 0805	20	0.30400	\$ 6.08	200	0.25270	2000	0.17784	
620-1519-1-ND	ALLEGRO A3214ELH MAGNETIC SWITCH OMNIPOLAR SOT23W	20	1.01900	\$ 20.38	200	0.68970	2000	0.51728	
478-8926-1-ND	AVX CORF TAJR104K CAP TANT 0.1UF 10% 35V 0805	30	0.56100	\$ 16.83	300	0.38450	500	0.30438	
338-1099-ND	CORNELL MC08CA1C CAP MICA 10PF 0.5PF 100V 0805	20	1.87000	\$ 37.40	200	1.42800	2000	0.95200	
306-1428-1-ND	COTO TEC CT10-1025 SWITCH REED SPST-NO 250MA 100V	10	1.16600	\$ 11.66	100	1.02560	1000	0.72261	
P6.8ACT-ND	PANASON ERJ-6GEY RES SMD 6.8 OHM 5% 1/8W 0805	100	0.02490	\$ 2.49	1000	0.01120	0	0.00000	
A126352CT-ND	TE CONNE CRG0805F RES SMD 22 OHM 1% 1/8W 0805	100	0.02100	\$ 2.10	1000	0.00943	0	0.00000	
A129741CT-ND	TE CONNE CRGCQ08 CRGCQ 0805 220R 1%	210	0.02060	\$ 4.33	2100	0.00927	1000	0.00927	
RNCP0805FTD10K0CT-ND	STACKPOI RNCP0805 RES 10K OHM 1% 1/4W 0805	20	0.07200	\$ 1.44	200	0.02770	2000	0.01220	
A106057CT-ND	TE CONNE CRG0805F RES SMD 1.5K OHM 1% 1/8W 0805	30	0.05200	\$ 1.56	300	0.02100	3000	0.00819	
A126348CT-ND	TE CONNE CRG0805F RES SMD 1.8K OHM 1% 1/8W 0805	20	0.05200	\$ 1.04	200	0.02100	2000	0.00943	
311-4.70KCRCT-ND	YAGEO (V RC0805FR RES SMD 4.7K OHM 1% 1/8W 0805	50	0.04200	\$ 2.10	500	0.01700	0	0.00000	
BAT54AW-FDICT-ND	DIODES IN BAT54AW- DIODE ARRAY SCHOTTKY 30V SOT323	60	0.22100	\$ 13.26	600	0.07726	0	0.00000	
BAT54CW-FDICT-ND	DIODES IN BAT54CW- DIODE ARRAY SCHOTTKY 30V SOT323	60	0.19400	\$ 11.64	600	0.06762	0	0.00000	
408-1544-1-ND	SUSUMU (KRL1220E RES 0.01 OHM 1% 1/2W 0805	10	0.44800	\$ 4.48	100	0.18820	1000	0.10384	
1276-6170-1-ND	SAMSUNG RUT2012F RES 0.1 OHM 1% 1/4W 0805	20	0.25700	\$ 5.14	200	0.10060	2000	0.04211	
SAM1008-03-ND	SAMTEC II BCS-103-L CONN RCPT 6POS 0.1 GOLD PCB	10	0.83400	\$ 8.34	100	0.71910	1000	0.58838	
Other components									
	Stylus magnet tip	10	\$ 0.05	\$ 0.50	100	\$ 0.05	\$ 5.00	1000	\$ 0.05
	Stylus (3D printed)	10	\$ 1.00	\$ 10.00	100	\$ 1.00	\$ 100.00	1000	\$ 1.00
	Chassis (3D printed)	10	\$ 2.00	\$ 20.00	100	\$ 2.00	\$ 200.00	1000	\$ 2.00
	Micro_LiPo_Charger	10	\$ 6.95	\$ 69.50	100	\$ 5.56	\$ 556.00	1000	\$ 4.00
	Teensy-LC	10	\$ 11.65	\$ 116.50	100	\$ 10.00	\$ 1,000.00	1000	\$ 8.00
	LED_Array	10	\$ 26.14	\$ 261.40	100	\$ 24.00	\$ 2,400.00	1000	\$ 20.00
	OLED_DISPLAY	10	\$ 5.00	\$ 50.00	100	\$ 4.00	\$ 400.00	1000	\$ 3.00
	Cores	700	\$ 0.01	\$ 3.50	7000	\$ 0.01	\$ 38.01	70000	\$ 0.0018
	Magnet wire (inches)	700	\$ 0.0006	\$ 0.42	7000	\$ 0.0006	\$ 4.17	70000	\$ 0.0006
	PCB	10	\$ 2.00	\$ 20.00	100	\$ 1.00	\$ 100.00	1000	\$ 0.77
	TOTAL BATCH COST ->			\$ 735.97			\$ 5,949.53		\$ 44,252.64